

Substitute Form PTO-1449 (Modified) JAN 16 2002 (37 CFR § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10275-094001	Application No. 09/849,657
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Harry Meade et al.	
		Filing Date May 4, 2001	Group Art Unit 1632

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
gjt	AA	5,654,270	8/5/97	Ruoslahti et al.			
↓	AB	6,046,162	4/4/00	Ruoslahti et al.			
	AC						
	AD						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AE						
	AF						
	AG						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
gjt	AH	Wall, R.J., "Transgenic livestock: Progress and prospects for the future." <i>Theriogenology</i> . Vol. 45, pp. 57-68 (June 1996).
gjt	AI	Mullins et al., "Perspectives Series: Molecular medicine in genetically engineered animals." <i>J. Clin. Invest.</i> , Vol. 98, No. 11, pp. S37-S40 (December 1996).
	AJ	
	AK	

Examiner Signature <i>John H.</i>	Date Considered <i>1/28/05</i>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/849,657
Filing Date	05/04/2001
First Named Inventor	Harry Meade
Art Unit	1646- 1632
Examiner Name	joanne itama
Attorney Docket Number	GTC-21

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear ⁶
GH		WO 97/466664	12-11-1997	Univ. of Washin	_____
↓		WO 99/54491	10-28-1999	Children's Hosp	_____

Examiner Signature	Joan W.	Date Considered	1/28/05
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Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

2

of

2

Application Number

09/849,657

Filing Date

05/04/2001

First Named Inventor

Harry Meade

Art Unit

1646 1632

Examiner Name

Joanne Hema

Attorney Docket Number

GTC-21

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
gjt		Isaka et al., "Gene therapy by skeletal muscle expression of decorin prevents fibrotic disease in rat kidney", Nature Medicine, Vol 2, pgs. 418-423 (1996)	
		Ko et al., "Production of biologically active human granulocyte colony stimulating factor in the milk of transgenic goat", Transgenic Research, 9: pgs. 215-222 (2000)	
		Moscateollo et al., Decorin Suppresses Tomor Cell Growth by Activating the Epidermanl Growth Factor Receptor", J. Clin. Invest., Vol 101, pgs. 406-412 (1998)	
		Ruoslalhti, E., "Structure and Bilogy of Proteoglycans", Ann. Rep. Cell Biol., 4, pgs. 229-255 (1988)	
↓		Stromqvist et al., "Recombinant human bile salt-stimulated lipase: an example of defective O-glycosylation of a protein produced in milk of transgenic mice", Transgenic Research, 5, pgs. 475-485 (1996)	

Examiner Signature

Joan Hema

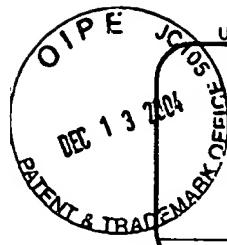
Date Considered

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Sheet 1 of 12

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First Named Inventor	Harry Meade
Art Unit	1646 1632
Examiner Name	Joanne Hama
Attorney Docket Number	GTC-21

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
9H		US- 4,407,956	10-04-1983	Howell	
		US- 4,485,040	11-27-1984	Roger et al.	
		US- 4,644,056	02-17-1987	Kothe et al.	
		US- 4,897,465	01-30-1990	Cordle et al.	
		US- 5,096,815	03-17-1992	Ladner et al.	
		US- 5,198,346	03-30-1993	Ladner et al.	
		US- 5,223,409	06-29-1993	Ladner et al.	
		US- 5,283,184	02-01-1994	Jorgensen et al.	
		US- 5,482,852	01-09-1996	Yoder et al.	
		US- 5,523,226	06-04-1996	Wheeler	
		US- 5,573,933	11-12-1996	Seamark et al.	
		US- 5,741,957	04-21-1998	Deboer et al.	
		US- 5,843,705	12-01-1998	DiTullio et al.	
		US- 6,268,487	07-31-2001	Kutzko et al.	
		US-			

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
9H		WO 88/06630	09-07-1988	Genex Corp		
		WO 90/02809	03-22-1990	Protein Eng Cor		
		WO 90/06767	06-28-1990	Jolla Cancer		
		WO 92/09690	06-11-1992	Genentech Inc.		
		WO 93/25071	12-23-1993	DNX Corp		
		WO 94/19935	09-15-1994	Genzyme Corp		

Examiner Signature

Joanne Hama

Date Considered

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		Filing Date	05/04/2001
		First Named Inventor	Harry Meade
		Art Unit	1646 1632
		Examiner Name	Joanne Hama
Sheet	2	of	12
		Attorney Docket Number	GTC-21

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9H		WO 94/23046	10-13-1994	US Health	_____	
		WO 95/04744	02-16-1995	DNX Corp	_____	
		WO 95/22258	08-24-1995	Nuijens	_____	
		WO 97/07669	03-06-1997	Campbell	_____	
↓		WO 98/30683	07-16-1998	Univ Mass	_____	

Examiner Signature		Date Considered	11/28/05
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Sheet 3 of 12

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Art Unit	1846 1632
Examiner Name	Joanne Hama
Attorney Docket Number	GTC-21

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
9H						
9H		EP 467482	01-22-1992	Ver Coop Melkin		
		EP 693554	01-24-1996	Mass General		
		FR 2487642	02-05-1982	Bel Fromageries		
↓		GB 2179947	03-18-1987	Roussel-Uclaf		

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STATEMENT BY APPLICANT**

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Sheet

4

of 12

Application Number 09/849,657

Filing Date 05/04/2001

First Named Inventor Harry Meade

Art Unit 1646—1632

Examiner Name Joanne Hama

Attorney Docket Number GTC-21

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
gH		Adelman et al., DNA, 2: pg. 183-193 (1983)	
gH		Agterberg et al., Gene, 88: pgs. 37-45 (1990)	
		Alexander et al., Eur. J. Biochem., 178: pgs. 395-401 (1988)	
		Alexander et al., Nucleic Acids Res., 17: pg. 6739 (1989)	
		Altschul et al., J. Mol. Biol., 215: pgs. 403-410 (1990)	
		Altschul et al., Nucleic Acids Res., 25(17): pgs. 3389-3402 (1997)	
		Bader et al., Clinical and Experimental Pharmacology and Physiology, Supp. 3: S81-S87 (1996)	
		Barbas et al., PNAS, 89: pgs. 4457-4461 (1992)	
		Barrett et al., Anal. Biochem, 204: pgs. 357-364 (1992)	
✓		Binding, H., "Regeneration of Plants", Plant Protoplasts, CRC Press, Boca Raton, pgs. 21-37 (1985)	

Examiner Signature	Joanne Hama	Date Considered	11/28/05
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		First Named Inventor	Harry Meade
		Art Unit	1646 - 1632
		Examiner Name	Jeanne Hama
Sheet 5	of 12	Attorney Docket Number	GTC-21

NON PATENT LITERATURE DOCUMENTS				
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jt		Brignon et al., FEBS Lett. 188: pgs. 48-54 (1985)		
		Campbell et al., Nucleic Acids Res., 12: pgs. 8685-8697 (1984)		
		Charbit et al., EMBO 5, pgs. 3029-3037 (1986)		
		Clackson et al., Nature, 352: pgs. 624-628 (1991)		
		Clark et al., Bio/Technology 7: pgs. 487-492 (1989)		
		Cull et al., PNAS USA, 89: pgs. 1865-1869 (1992)		
		Cunningham et al., Science, 244: pgs. 1081-1085 (1989)		
		Cwirla et al., PNAS, 87: pgs. 6378-6382 (1990)		
		Dale, P.J., "Protoplast Culture and Plant Regeneration of Cereals and Other Recalcitrant Crops", Protoplasts, Lecture Proceedings, pgs. 31-41 (1983)		
↓		Davey, M.R., "Recent Developments in the Culture and Regeneration of Plant Protoplasts", Protoplasts, Lecture Proceedings, pgs. 19-29 (1983)		

Examiner Signature	jeanne hama	Date Considered	11/28/05
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gjt		Devlin et al., Science, 249: pgs. 404-406 (1990)		T ²
		DiTullio, Bio/Technology 10: pgs. 74-77 (1992)		
		Ebert et al., Bio/Technology, 12: pg. 699-702 (1994)		
		Evans et al., "Protoplasts Isolation and Culture", Handbook of Plant Cell Cultures, MacMillan Publishing Co., NY, 1: pgs. 124-176 (1983)		
		Feinberg et al., Anal. Bioc., 132: pgs. 6-13 (1983)		
		Fraley et al., Proc. Natl. Acad. Sci., USA, 80: pg. 4803-4807 (1983)		
		Fromm et al., Proc. Natl. Acad. Sci., USA, 82: pg. 5824-5828 (1985)		
		Fuchs et al., Bio/Technology, 9: pgs. 1369-1372 (1991)		
		Gallop et al., J. Med. Chem., 37(9): pgs. 1233-1251 (1994)		
↓		Ganderton et al., Drug Delivery to the Respiratory Tract, Ellis Horwood (1987)		

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gjt		Glossl, J., Biol. Chem., 259: pgs. 14144-14150 (1984)	
		Gonda, Critical Reviews in Therapeutic Drug Carrier Systems, 6: pgs. 273-313 (1990)	
		Gordon et al., Bio/Technology 5: pgs. 1183-1187 (1987)	
		Gorodetsky et al., Gene, 66: pgs. 87-96 (1988)	
		Gould et al., Proc. Natl. Acad. Sci., 86: pgs. 1934-1938 (1989)	
		Goward et al., TIBS, 18: pgs. 136-140 (1993)	
		Griffiths et al., EMBO J., 12: pgs. 725-734 (1993)	
		Grinnell, J., Cell Biol., 124: pgs. 401-404 (1994)	
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8

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Attorney Docket Number

GTC-21

Harry Meade

1646-1632

Joanne Hama

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JA		Harborne et al., Eds., The Flavonoids, Vols. 1 and 2, Acad. Press (1975)	
		Harlow et al., Antibodies, A Laboratory Manual, Cold Spring Harbor, New York (1988)	
		Herrmann et al., Methods Enzymology, 152: pgs. 180-183 (1987)	
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		Itakura et al., Recombinant DNA, Proc 3rd Cleveland Sympos. on Macromolecules, ed. AG Walton, Amsterdam: Elsevier, pgs. 273-289 (1981)	
AV		Itakura et al., Science, 198: pg. 1056-1063 (1984) 1977 JH	

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9

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Application Number

09/849,657

Filing Date

05/04/2001

First Named Inventor

Harry Meade

Art Unit

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gjt		Ivanov et al., Biol. Chem., Hoppe-Seyler, 369: pgs. 425-429 (1988)	
		Jamieson et al., Gene, 61: pgs. 85-90 (1987)	
		Jones et al., J. Biol. Chem., 260: pgs. 7042-7050 (1985)	
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		Klee et al., Annual Review of Plant Physiology, 38: pgs. 467-486 (1987)	
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		Krusius et al., Proc. Ntl. Acad. Sci. USA, 83: p. 7683-7687 (1986)	
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10

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jh		Lacy et al., A Laboratory Manual, Cold Springs Harbor, New York (1986)	
		Leung et al., Technique 1: pgs. 11-15 (1989)	
		Maniatis et al., Molecular Cloning, A Laboratory Manual, Cold Spring Harbor, New York (1983)	
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		Mercier et al., J. Dairy Sci., 76: pgs. 3079-3098 (1993)	
		Myers et al., Science, 229: pg. 242 (1985)	
		Narang, S., Tetrahedron 39: pg. 3-22 (1983)	
↓		Paszkowski et al., EMBO J., 3: pgs. 2717-2722 (1984)	

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11

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12

Application Number	09/849,657
Filing Date	05/04/2001
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jh		Pinkert, C., ed., Academic Press, Inc., Transgenic Animal Technology, A Handbook, (1994)	
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		Scott et al., Science, 249: pgs. 386-390 (1990)	
		Selgrath et al., Theriogenology, pgs. 1195-1205 (1990)	
v		Soulier et al., FEBS Letts., 297: pg. 13-18 (1992)	

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jt		Stewart, Nucleic Acids Res. 12: pg. 3895-3906 (1984)	
		Swaisgood, H.E., Developments in Dairy Chemistry, I, Chemistry of Milk Protein, Applied Science Publishers, NY (1982)	
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↓		Crea et al., Proc. Natl. Acad. Sci., USA, 75: 5765-5769 (1978)	

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